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APPENDIX A

Teacher Open Educational Resources (OER) Attitude Scale

DEMOGRAPHIC PROFILE

Name-

Gender-

Department-

Name of the University-

Designation-

Teaching Experience-

INSTRUCTIONS

There are 37 statements concerning your attitude towards use and creating OER, attitude towards sharing OER; attitude towards CC licenses; attitude towards the use of OER for professional growth and attitude towards accessibility of OER. Kindly read each statement carefully and decide your response on given any one of the five alternatives, viz., strongly agree, disagree, neutral, agree and strongly disagree and put a tick mark on the appropriate alternatives.

Be assured that your responses will be kept confidential.

Sl.No	Statements	Strongly Agree	Disagree	Neutral	Agree	Strongly Disagree
1	I believe the creation of OER will help me in the process of promotion.					
2	I believe by creating OER will raise my reputation.					
3	I am hesitant about using others' materials.					
4	I may not be happy or satisfied with the way others modify my content and would prefer others to use as it is.					
5	I prefer to use only such resources that were recommended to me by others.					

6	The use of OER can improve class interactivity and enhancement.					
7	OER can promote inclusiveness and equity in learning.					
8	I believe the use of OER textbooks is more beneficial than traditional textbooks.					
9	I do not want others to make money from my original works.					
10	I believe that educational resources should be a public good open and free to all.					
11	Sharing resources with colleagues is important in teaching and research.					
12	I believe sharing resources leads to learning new knowledge, new ideas and the production of new resources.					
13	Sharing of resources brings achievement and success in outcomes.					
14	Sharing resources makes me feel more confident.					
15	Sharing resources improve my expertise in that field.					
16	OER can give me global recognition.					
17	I believe OER can help me in connecting with other colleagues around the world.					
18	OER is a good way of disseminating my work to the research community and beyond.					
19	OER saves my time and effort in resource development.					
20	OER encourages me to reflect on my teaching practices.					

21	OER provides me an opportunity to improve my work by receiving feedback from others.					
22	OER will increase my citation rates.					
23	OER will improve my pedagogical practice.					
24	OER will increase my efficiency in content production.					
25	I believe open licenses require knowledge of technical skills.					
26	I believe open licenses enable me to customize the contents as per my needs.					
27	I prefer the use of creative commons licenses in addition to my copyright license.					
28	I think academicians should publish their works under Creative Commons licenses as teaching is a give-and-take process.					
29	Creative Commons Licenses help in creating an online community of sharing and reusing.					
30	Compared to traditional copyright, Creative Commons Licenses have made it easier to grant permission to all automatically rather than granting permission to each person individually.					
31	I think Creative Commons licenses remove my creditability and acknowledgment.					
32	I think Creative Commons licenses will increase the rate of Plagiarism.					
33	Searching for OER is a time-consuming activity					

34	OER can be accessed from anywhere.					
35	The use of OER does not fit my course.					
36	OER are easy to download.					
37	OER can be easily revised and remixed.					

APPENDIX B

Questionnaire on Use and Creation of Open Educational Resources

1. Have you ever retained or downloaded online content created by others?

Yes

No

2. Have you ever reused (use content created by others but without any modifications) OERs in your courses?

Yes

No

(A) If yes, what kind of OER content have you used in your course? (Please click all that apply to you)-

Scholarly journals

Videos

Images

Audios

Textbooks

Blogs

Modules

Others,

Please

Specify: _____

(B) Where did you find the OERs that you used in your classroom? (Please click all that apply to you)-

Khan Academy

Google Scholar

OER Commons

Coursera

NPTEL

OSCAR

NROER

MERLOT

Connexions

Open Course Library

WikiEducator

College Open Textbooks

MIT OpenCourseWare

Google Advanced Search

Other,

Please

Specify:

(C) How often do you use OERs in your teaching?

Always

Sometimes

Never

(D) How often do you use OERs for your professional improvement?

Always Sometimes Never

3. Have you ever revised the original content as per your own needs?

Yes No

4. Have you ever translated or changed OER content? (E.g. translating a lesson written in a regional language or turning it into an English Audio-video material).

Yes No

5. Have you ever created new/remixed content by combining the original or revised content with other similar content?

Yes No

6. Have you ever redistributed any OERs?

Yes No

(A) If yes, with whom have you shared OERs? (Please click all that apply to you)-

Students Colleagues Head of the institution

Faculty from other universities

Others, Please Specify:

7. Have you ever created content as OER?

Yes No

(A) If yes, what kind of OER have you created? Select all that apply to you-

Scholarly journals Videos Images

Audios Textbooks Blogs

Modules Lessons

Others, Please

Specify: _____

(B) Under which creative commons license you have published your resource?

(Please click all that apply to you)-

CC BY (Attribution Alone)

CC BY-SA (Attribution + Share-Alike)

CC BY-NC (Attribution + Non-Commercial)

CC BY-NC-SA (Attribution + Non-Commercial + Share-Alike)

CC BY-ND (Attribution + Non-Derivatives)

CC BY-NC-ND (attribution + Non-Commercial + Non-Derivatives)

(C) Are you involved in any cooperation with people from other educational institutions for creating OERs?

Yes

No

8. Of the following, which Creative Commons licenses, would you prefer?

CC BY (reuse, remix, modify, distribute and use the content commercially with proper citation)

CC BY-SA (reuse, remix, modify, distribute, use the content even commercially but have to publish the work under the same license conditions)

CC BY-ND (distribute, used the content even commercially with a proper citation but cannot be modified by others)

CC BY-NC-SA (reuse, alter, distribute the work with proper citation and publish the new work under the same license condition, but cannot be used commercially)

CC BY-NC (distribute, remix and alter the original work by acknowledging the author but not for commercial purposes)

CC BY-NC-ND (download and distribute the content with others, acknowledge the author, not for commercial purposes and without any alterations).

APPENDIX C

Questionnaire on Factors Facilitating Adoption of Open Educational Resources

ACCESS (Items related to Physical Infrastructure: Hardware and Software facilities)

Sl.No	Items	Yes	No
1.	Access to internet connection at home		
2.	Access to internet connection at department/institution		
3.	ICT resource center in department/institution		
4.	Access to software tools like learning management tools to deliver content		
5.	Have a personal webpage/blog to share content		

PERMISSION (items related to Institutional Property policies)

Sl.No	Items	Yes	No
6.	Institution have a defined IPR and copyright policy		
7.	Institution have copyright over the content developed by me		

AWARENESS (Items related to the Concept of OER, its nature, Open License and CC license)

How do you rate your awareness of Open educational resources on the following statements?

Sl. No	Statements	Agree	Neutral	Disagree
8.	OERs are the free and open materials that are available on the Web.			
9.	OERs are similar to the public domain.			
10.	OERs are the digitally available resources published under creative commons licenses.			
11.	Creative Commons licenses are “free, easy-to-use copyright licenses”			
12.	The Creative Commons licenses transform all rights reserved to some rights reserved.			
13.	Creative commons licenses still protect the moral rights of the copyright holders.			
14.	I know how to apply creative commons license for my work.			

CAPACITY (items related to ICT Competencies)

How do you rate your ICT competencies in using and creating open educational resources?

Sl. No	Items	High	Moderate	Low
15	Ability to understand basic computer understanding and concepts.			
16	Ability to create web pages.			
17.	Ability to install and configure application software.			
18	Ability to create, upload and edit multimedia.			
19.	Ability to navigate different search engines.			
20.	Ability to find required educational resources on the internet.			
21.	Ability to share and upload resources (OER) on the web.			

AVAILABILITY- (Items related to Relevance/Quality of the OER content)

Sl. No	Items	Agree	Neutral	Disagree
22	Satisfied with the quality of free and open educational resources created by others			
23	Content relevant to your teaching context			
24	The quality of OER is inferior to the proprietary resources			
25	OER content presented at a reading level appropriate for higher education students			
26	OER provide useful and authentic sources of information			
27	The instructions or exercises given in the content clear and comprehensive			
28	The language of the OER content free of grammatical, spelling and typological errors			
29	Ensure the quality of OER before its use			
30	Ensure the authenticity of the OER before use			

VOLITION (Items related to Personal Motivation)

Sl.No	Items	Agree	Neutral	Disagree
31	Giving credit to the professional profile will encourage me for OER adoption			
32	I feel confident adopting OER			
33	I am eager to learn more about OER			
34	I am motivated towards creating OER with colleagues			
35	I am motivated towards using OER in teaching			

APPENDIX D

Semi-Structured Interview Schedule on Open Educational Resources (OER) for Teachers

FOR OER USERS

Theme 1: Perception	1. How do you perceive the use of OERs in the higher education sector? Please explain.	This question will inform about the attitude of teachers towards OER adoption.
Theme 2: Usage	2. What were your purpose/reasons behind using OERs?	Will inform about why the teachers have used the OER.
Theme 3: Factors facilitating OER adoption		This part will help in understanding how the factors influence OER adoption. Will provide input relating to the OER adoption pyramid developed by Cox and Trotter, 2016.
Access	3. To what extent would you believe hardware and software facilities influence your decisions to use OER?	
Permission	4. How would a policy or guideline facilitate the adoption of OER?	
Awareness	5. Do you believe awareness can be a factor that facilitates the adoption of OER? If yes, how?	
Capacity	6. How would ICT capacity facilitate the adoption of OERs by teachers?	
Availability	7. To what extent the relevance and quality of OER content influence your attitude towards OER adoption? How do you evaluate the quality of the OER; what are the criteria for selecting and using OER?	
Volition	8. How is the adoption of OER by teachers in higher educational institutions influenced by personal motivation?	
Theme 4: Effectiveness	9. How can OER be used as a tool to improve the processes of teaching and learning at higher education institutions? (Teaching-learning context) 10. Does the use of OER lead	

	<p>you to establish new connections with other members of your field? Was it helpful for you? (Professional development) How can OER improve your pedagogical practices? (Professional development)</p>	<p>and professional development.</p>
<p>Theme 5: Challenges</p>	<p>11. Technological challenges: The use of technology in the teaching-learning process can be a challenge at times; what technological barriers in using OER have you experienced?</p> <p>12. Inadequate informational challenges: Are you well aware of the various websites/repositories of OER, does limited knowledge can be an obstacle for you in finding or using relevant OER?</p> <p>13. Institutional Challenges (lack of motivation and recognition, lack of operational OER policies) Have you experienced any institutional barriers that interfered with your use of OER?</p> <p>14. Academic challenges (Irrelevant content, lack of time to search, workload): What kind of academic challenges have you experienced while using OER?</p> <p>15. Ethical challenges: As everything is available online today, in such a situation, are you worried about the ethics of the use of OER? Do you think improper use of OER like not giving attribution or acknowledgment can hinder the adoption of OER?</p> <p>16. Miscellaneous Challenges: Could you say some more challenges that might hinder the adoption of OER? / To your knowledge, why do you think OER is underutilized among teachers, Please describe.</p>	<p>This will give us an insight into the challenges faced by the teachers (OER Users) in the adoption of OER.</p>

OER-CREATORS

Theme 1: Perception	1. How do you perceive the use and creation of OERs in the higher education sector? Please explain.	This question will inform about the attitude of teachers towards OER adoption. Will inform about why the teachers have used or created OERs. This part will help in understanding how the factors influence OER adoption. Will provide input relating to the OER adoption pyramid developed by Cox and Trotter, 2016.	
Theme 2: Usage	2. What were your purpose/reasons behind creating OERs?		
Theme 3: Factors facilitating OER adoption	3. To what extent would you believe hardware and software facilities influence your decisions to create OER?		
Access			
Permission			4. Do you support the idea of developing a guideline for OER adoption by your university? How would that facilitate the adoption of OER?
Awareness			5. Do you believe awareness can be a factor that facilitates the adoption of OER? If yes, how?
Capacity			6. How would ICT capacity facilitate the adoption of OERs by teachers?
Availability		7. To what extent the relevance and quality of OER content influence your attitude towards OER adoption? How do you evaluate the quality of the OER; what are the criteria for selecting and using OER?	

Volition	8. In your opinion, how is the adoption of OER by teachers in higher educational institutions influenced by personal motivation?	
Theme 4: Effectiveness	9. How can OER be used as a tool to improve the processes of teaching and learning at higher education institutions? (Teaching-learning context) 10. Does the creation of OER lead you to establish new connections with other members of your field? Was it helpful for you? How can OER improve your pedagogical practices? (Professional development).	It will help us to explain the effectiveness of OER adoption in different contexts like- Teaching-learning context and Professional development
Theme 5: Challenges	11. Technological challenges: The use of technology in the teaching-learning process can be a challenge at times; what technological barriers in creating and sharing OER have you experienced? 12. Inadequate informational challenges: Are you well aware of the various websites/repositories of OER, does limited knowledge can be an obstacle for you in creating OER? 13. Institutional Challenges (lack of motivation and recognition, lack of operational OER policies) Have you experienced any institutional barriers that interfered with your creating and sharing of OER? 14. Academic challenges (Irrelevant content, lack of	This will give us an insight into the challenges faced by the teachers (OER Creators) in the adoption of OER.

	<p>time to search, workload): What kind of academic challenges have you experienced while creating OER?</p> <p>15. Ethical challenges: As everything is available online today, in such a situation, are you worried about the ethics of the use of OER? Do you think improper use of OER like not giving attribution or acknowledgment can hinder the adoption of OER?</p> <p>16. Miscellaneous Challenges: Could you say some more challenges that might hinder you in creating and sharing OER?</p>	
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APPENDIX E

LIST OF PUBLICATIONS

Journal Publication (UGC-CARE List)

1. Saikia, S., & Sultana, Y. (2022). Appraising the awareness, attitude and usage of Creative Commons license by central university faculty members. *Indian Journal of Educational Technology*, 4(2), 1-10.

International Conference

1. Saikia, S., & Sultana, Y. (2022, May 06-08). Measuring digital competence and usage of open educational resource: An exploratory study on teacher education institutes of Assam". Paper presented in *Jamia International Conference on Education Outcome-Based Curriculum and Pedagogical Demands in the Post-Covid Era* organized by the Department of Teachers Training and Non-Formal Education (IASE), Faculty of Education, Jamia Millia Islamia, New Delhi, India.

National Seminar

1. Saikia, S., & Sultana, Y. (2022, March 15-16). Digital content curation: The art of learning and professional development. Paper presented in a Two-Day National Seminar on *Teacher Education in the Perspective of NEP 2020* organized by the Institute of Advanced Studies in Education (IASE) in collaboration with the State Council of Educational Research and Training, (SCERT) Govt. of Tripura.
2. Saikia, S., & Sultana, Y. (2023, February, 07-08). Promoting inclusive practices in education through open educational resources: A scope for a better tomorrow. In ICSSR-sponsored national seminar on *National Education Policy 2020: Challenges and Prospects with special reference to Teacher Education for Continuous Professional Development* organised by Department of Education, Jorhat College (Amalgamated) in collaboration with Internal Quality Assurance Cell (IQAC), Jorhat, Assam, India.

Book Chapter

1. Saikia, S., & Sultana, Y. (2022). OER: A catalyst to innovative educational practices in India in S. Ahmed (Ed.), *Education in North-East India* (8-17), New Academic Publishers, New Delhi.